

N O T I C E

THIS DOCUMENT HAS BEEN REPRODUCED FROM
MICROFICHE. ALTHOUGH IT IS RECOGNIZED THAT
CERTAIN PORTIONS ARE ILLEGIBLE, IT IS BEING RELEASED
IN THE INTEREST OF MAKING AVAILABLE AS MUCH
INFORMATION AS POSSIBLE

"Made available under NASA sponsorship
in the interest of early and wide dis-
semination of Earth Resources Survey
Program information and without liability
for any use made thereof."

PRELIMINARY USER
GUIDE FOR THE
PROGRAM GTDDM
(GROUND TRUTH DOT DUMP)

~~79-1024~~
80-10244

JSC-14423

NASA CR-

160715

JOB ORDER 71-593

Prepared By
Lockheed Electronics Company, Inc.
Systems and Services Division
Houston, Texas

Contract NAS 9-15200

For

EARTH OBSERVATIONS DIVISION
SCIENCE AND APPLICATIONS DIRECTORATE

(E80-10244) PRELIMINARY USER GUIDE FOR THE
PROGRAM GTDDM (GROUND TRUTH DOT DUMP)
(Lockheed Electronics Co.) 11 p
HC A02/MF A01

W80-30827

CSCL 09B

Unclass

G3/43 00244



National Aeronautics and Space Administration
LYNDON B. JOHNSON SPACE CENTER
Houston, Texas

July 1978

LEC-12636

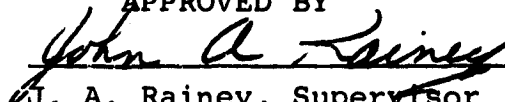
JSC-14423

PRELIMINARY USER
GUIDE FOR THE
PROGRAM GTDDM
(GROUND TRUTH DOT DUMP)

JOB ORDER 71-593

Prepared By
C. W. Ahlers

APPROVED BY


J. A. Rainey, Supervisor
Scientific Applications Section

Lockheed Electronics Company, Inc.
Systems and Services Division
Houston, Texas

July 1978

LEC-12636

CONTENTS

<u>Section</u>	<u>Page</u>
1. INTRODUCTION.	1-1
2. FUNCTION	2-1
3. CONTROL CARDS	3-1
4. REFERENCES	4-1

1. INTRODUCTION

The program GTDDM uses the converted ground truth tape (a product of the program GTTCN) to label the 209 dots. A LACIE format dot card file is made for each ground truth image file. A crop code to category transformation and an indication of a transition year, a phase three, or an input mask must be input. Several files may be processed in one run.

2. FUNCTION

GTDDM is called by using the regular LARSYS control cards.

GTDDM calls SET19 and DDM. SET19 is the set up routine used to assimilate the control cards. DDM is the main working routine in the program. SET19 calls the dedicated routine GTTRNS.

DDM calls some of the LARSYS tape handling subroutines as well as the dedicated routines GTDOTS, GTDTL, GTDWR, and ALPHA.

3. CONTROL CARDS

<u>Keyword</u>	<u>Parameter & default Values</u>	<u>Function</u>
FORM	1 or 2 default:1	Tape format 1 - Universal 2 - LARSYS 3
\$GTDDM		Processor card
READ TAPE	UNIT=N,FILE=M default:N=12,M=1	N is the Fortran logical unit number to which the converted ground truth file has been assigned. M is the file number for the first file to be processed.
WRITE FILE	UNIT=N,FILE=M Default:N=23,M=1	N is the Fortran Logical unit number to which the dot files will be written. M is the first file to be processed.
DUMP	FILES=N	N is the number of dot files to be written.
MASK	TRANSITION YEAR	Use the transition year type labels.

or

<u>Keyword</u>	<u>Parameter & default values</u>	<u>Function</u>
MASK	PHASE THREE	Use the phase three type labels.
	or	
MASK	INPUT=N ₁ ,N ₂ ,...,N ₁₉	
MASK	INPUT=N ₁ ,N ₂ ,...,N ₁₉	Input a type matrix (size 17 X 19) where N _i = 1 or 2
	default: TRANSITION YEAR	
TRANS	CAT=N ₁ ,N ₂ default: N=1,256 W=99,99 W=124,124 S=100,100 S=125,125 B=101,101 B=126,126 R=102,102 R=127,127 F=103,103 F=128,128 O=104,104 O=129,129 W=1,15 S=16,30	Crop code to category transfor- mation CAT is a letter of the alphabet denoting a category. Crop codes N ₁ through N ₂ are assigned to be this category. These cards override each other in sequence.

Example inputs follow:

4. REFERENCES

1. Minter, R. T.; Wills, B. E.; and Gardnes, C. T.: User Documentatin EOD-LARSYS. July 1977, Job Order 71-695, LEC-3984, Contract NAS 9-15200.
2. Ahlers, C. W.: "As-Built" Design Specification For the PDP 11/45 Accuracy Assessment System. December 1977 Job Order 71-695, LEC-11358, Contract NAS 9-15200.